

EXHIBIT 2



Apr 3 2009
12:34PM

**Revised Report
Dated April 1, 2009**

**Treatment of MTBE in Selected Wells
In City of New York v. Amerada Hess Corp. et al.**

Expert Report of David W. Hand, Ph.D.

In the matter of:

City of New York
Plaintiffs

MDL No. 1358

Amerada Hess Corp., et al.
Defendants

April 1, 2009

Prepared by
David W. Hand, Ph.D.

A handwritten signature in dark ink, appearing to be "D. Hand", is written over a horizontal line. To the right of the signature, the date "4/01/09" is handwritten.

Table 5.0 Operation and maintenance costs in 2009 dollars for Well 6D if MTBE treatment is for three years.

Item Description	Unit	Quantity	Unit Cost (\$)	Total Cost (\$)
GAC Cost –treatment objective 5 µg/L				
MTBE GAC cost for 1 year half-life and 3 years of treatment ^A (treatment objective 5 µg/L)	-	484,302	1.88	910,000
PCE GAC cost for 3 years of treatment ^B (treatment objective 2.5 µg/L)	-	78,300	1.88	147,000
Net MTBE GAC cost for 3 years of treatment	-	A - B	1.88	763,000
MTBE GAC for 2 year half-life and 6 years of treatment ^C (treatment objective of 5 µg/L)	-	968,604	1.88	1,821,000
PCE GAC cost for 6 years of treatment ^D (Treatment objective of 2.5 µg/L)	-	157,000	1.88	295,000
Net MTBE GAC cost for 6 years of treatment	-	C - D	1.88	1,526,000
Sampling costs				
MTBE & PCE Sampling costs for 3 yrs (Sampling once weekly blended Inf & Eff.)	-	156	180	28,000
Net MTBE sampling costs for three years (50% of sampling costs)	-	-	-	14,000
Net MTBE sampling costs for six years	-	-	-	28,000
Labor costs				
MTBE & PCE Routine Labor Costs for 3 years (\$40 Operations Staff, \$ 55 Supervisor) ¹	-	-	-	32,000
Net MTBE Routine Labor Costs for 3 years (50% of labor costs)	-	-	-	16,000
Net MTBE Routine Labor Costs for 6 years	-	-	-	32,000
TOTAL COSTS				
Total MTBE Operating Costs for a half-life of 1 year and 3 years of operation	-	-	-	793,000
Total MTBE Operating Costs for a half-life of 2 year and 6 years of operation	-	-	-	1,586,000
MTBE Cost of treatment \$/1000 gal²	1.9 (6 yrs) 2.3 (3 yrs)			

¹Source: NYC Office of Management and Budget; Includes fringe benefits and overtime. Cost for plant operators, janitorial, and mechanical staffing. Assumes routine maintenance of GAC units and VOC sampling time. Time required for change-out 4 hrs 1 staff, time required for sampling 1 hr per sampling period 1 staff, time required for maintenance 40 hrs per year 1 staff, 2 hr per week supervisor for overseeing operation and data analysis. (4 hr/change out x 23 change outs x 40 \$/hr + 1hr x 40 \$ /hr x 52 wks/yr x 3 yr + 3 yr x 40 \$/hr x 40 hr/yr = 14,720; 2 hr/wk x 52 wk/yr x 3 yr x 55 \$/hr = 17,160)

²Includes the portion of capital cost for MTBE.